Plant Cell, Tissue and Organ Culture **25**: 227–228, 1991

CONTENTS Volume 25 1991

Volume 25 No. 1

Girod P.-A. & Zryd J.-P.: Secondary metabolism in cultured red beet (*Beta vulgaris* L.) cells: Differential regulation of betaxanthin and betacyanin biosynthesis 1
Mukherjee S.K., Rathinasabapathi B. & Gupta N.: Low sugar and osmotic requirements for shoot regeneration from leaf pieces of *Solanum melongena* L. 13
Zhao Y.-X., Yao D.-Y. & Harris P.J.C.: Isolation and culture of protoplasts from callus tissue of *Hibiscus syriacus* L. 17
Capellades M., Lemeur R. & Debergh P.: Effects of sucrose on starch accumulation and rate of photosynthesis in Rosa cultured in vitro 21
Webb K.J. & Watson E.J.: *Lotus corniculatus* L.: Morphological and cytological analysis of regenerants from three sources of tissue and selected progeny 27
Zheng X. & van Huystee R.B.: Oxidation of tyrosine by peroxidase isozymes derived from peanut suspension culture medium and by isolated cell walls 35
Hagen S.R., Muneta P., Augustin J. & LeTourneau D.: Stability and utilization of picloram, vitamins, and sucrose in a tissue culture medium 45
Shimasaki K. & Uemoto S.: Rhizome induction and plantlet regeneration of *Cymbidium goeringii* from flower bud cultures in vitro 49
Joy IV R.W., Kumar P.P. & Thorpe T.A.: Long-term storage of somatic embryogenic white spruce tissue at ambient temperature 53
Jang J.C. & Tainter F.H.: Micropropagation of shortleaf, Virginia and loblolly x shortleaf pine hybrids via organogenesis 61
Blakesley D.: Uptake and metabolism of 6-benzyladenine in shoot cultures of *Musa* and *Rhododendron* 69
Mohamed F., Swartz H.J. & Buta J.G.: The role of abscisic acid and plant growth regulators in tissue culture-induced rejuvenation of strawberry ex vitro 75

Volume 25 No. 2

Jha S., Sahu N.P. & Mahato S.B.: Callus induction, organogenesis and somatic embryogenesis in three chromosomal races of *Urginea indica* and production of bufadienolides 85
Mezzetti B., Rosati P. & Casalicchio G.: *Actinidia deliciosa* C.F. Liang in vitro. I. Growth and mineral uptake by explants 91
Leblay C., Chevreau E. & Raboin L.M.: Adventitious shoot regeneration from in vitro leaves of several pear cultivars (*Pyrus communis* L.) 99
Kozai T., Iwabuchi K., Watanabe K. & Watanabe I.: Photoautotrophic and photomixotrophic growth of strawberry plantlets in vitro and changes in nutrient composition of the medium 107
Cacho M., Morán M., Herrera M.T., Fernández-Tárrago J. & Corchete M.P.: Morphogenesis in leaf, hypocotyl and root explants of *Digitalis thapsi* L. cultured in vitro 117
Teulières C., Grima-Pettenati J., Curie C., Teissie J. & Boudet A.M.: Transient foreign gene expression in polyethylene/glycol treated or electropulsated *Eucalyptus Gunnii* protoplasts 125
Teulières C. & Boudet A.M.: Isolation of protoplasts from different *Eucalyptus* species and preliminary studies on regeneration 133
Morini S., Trinci M. & Zacchini M.: Effect of different photoperiods on in vitro growth of Mr.S.2/5 plum rootstock 141
Stommel J.R. & Simon P.W.: Isolation and characterization of *Daucus carota* L. cell lines resistant to 2-deoxy-D-glucose 147

Jarret R.L. & Gawel N.: Chemical and environmental growth regulation of sweetpotato (*Ipomoea batatas* (L.) Lam.) in vitro 153
Ochatt S.J.: Requirements for plant regeneration from protoplasts of the shrubby ornamental honeysuckle, *Lonicera nitida* cv. Maigrun 161

Volume 25 No. 3

Biddington N.L.& Robinson H.T.: Ethylene production during anther culture of Brussels sprouts (*Brassica oleracea* var *gemmifera*) and its relationship with factors that affect embryo production 169
Ko W.-H., Hwang S.-C. & Ku F.-M.: A new technique for storage of meristem-tip cultures of 'Cavendish' banana 179
Ramirez-Malagón R. & Ochoa-Alejo N.: Adventitious shoot formation and plant regeneration from tissues of tomatillo (*Physalis ixocarpa* Brot.) 185
Dijak M., Sproule A., Keller W., Pandeya R. & Gleddie S.: Transformation of *Nicotiana tabacum, N. debneyi,* and *N. rustica*: Inheritance and protoplast expression of antibiotic resistance 189
Mooney P.A. & Goodwin P.B.: Adherence of *Agrobacterium tumefaciens* to the cells of immature wheat embryos 199
Mooney P.A., Goodwin P.B., Dennis E.S. & Llewellyn D.J.: *Agrobacterium tumefaciens*-gene transfer into wheat tissues 209
Nikolova P., Moo-Young M. & Legge R.L.: Application of process mass spectroscopy to the detection of metabolic changes in plant tissue culture 219
Classification of abstracts / List of journals searched 225
Abstracts section A1 - A20
Volume contents / Author index 227

Author index Volume 25 1991

Augustin J., 45

Biddington N.L., 169
Blakesley D., 61
Boudet A.M., 125, 133
Buta J.G., 75

Cacho M., 117
Capellades M., 21
Casalicchio G., 91
Chevreau E., 99
Corchete M.P., 117
Curie C., 125

Debergh P., 21
Dennis E.S., 209
Dijak M., 189

Fernández-Tárrago J., 117

Gawel N., 153
Girod P.-A., 1
Gleddie S., 189
Goodwin P.B., 199, 209
Grima-Pettenati J., 125
Gupta N., 13

Hagen S.R., 45
Harris P.J.C., 17
Herrera M.T., 117
Hwang S.-C., 179

Iwabuchi K., 107

Jang J.C., 61
Jarret R.L., 153
Jha S., 85
Joy IV R.W., 53

Keller W., 189
Ko W.-H., 179
Kozai T., 107
Ku F.-M., 179
Kumar P.P., 53

Leblay C., 99
Legge R.L., 219
Lemeur R., 21
LeTourneau D., 45
Llewellyn D.J., 209

Mahato S.B., 85
Mezzetti B., 91
Mohamed F., 75
Moo-Young M., 219
Mooney P.A., 199, 209
Morán M., 117
Morini S., 141
Mukherjee S.K., 13
Muneta P., 45

Nikolova P., 219

Ochatt S.J., 161
Ochoa-Alejo N., 185

Pandeya R., 189

Raboin L.M., 99
Ramirez-Malagón R., 185
Rathinasabapathi B., 13
Robinson H.T., 169
Rosati P., 91

Sahu N.P., 85
Shimasaki K., 49
Simon P.W., 147
Sproule A., 189
Stommel J.R., 147
Swartz H.J., 75

Tainter F.H., 61
Teissie J., 125
Teulières C., 125, 133
Thorpe T.A., 53
Trinci M., 141

Uemoto S., 49

van Huystee R.B., 35

Watanabe I., 107
Watanabe K., 107
Watson E.J., 27
Webb K.J., 27

Yao D.-Y., 17

Zacchini M., 141
Zhao Y.-X., 17
Zheng X., 35
Zryd J.-P., 1